AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of selectively depositing a material on a substrate including a contoured surface including a protrusion and a recess, the method comprising:

applying a first fluid to the contoured surface of the substrate;

allowing the first fluid to distribute across a portion of the contoured surface such that the first fluid contacts the protrusion and not the recess; and

allowing a first material to deposit from the first fluid ~~on the substrate~~ on the protrusion of the substrate.

2. (Currently Amended) The method of claim 1, further comprising:

applying a second fluid to the contoured surface of the substrate;

allowing the second fluid to distribute across a portion of the contoured surface such that the second fluid contacts the recess; and

allowing a second material to deposit from the second fluid ~~on the substrate~~ on the recess of the substrate.

3. (Previously Presented) The method of claim 2, further comprising:

applying a third fluid to the contoured surface of the substrate;

allowing the third fluid to distribute across a portion of the contoured surface; and

allowing a third material with an affinity for one of the first material and the second material to deposit from the third fluid on the substrate only where the one of the first material and the second material is deposited.

4. (Original) The method of claim 3, wherein the first material is a protein.

5. (Original) The method of claim 4, wherein the second material is a protein.

6. (Original) The method of claim 5, wherein the first material is cytophobic.

7. (Original) The method of claim 6, wherein the second material is cytophilic.

8. (Original) The method of claim 7, wherein the third material is a cell.

9. (Original) The method of claim 1, wherein the recess comprises a microwell.

10. (Original) The method of claim 9, wherein the microwell is less than 1 millimeter in width and depth.

11. (Original) The method of claim 10, wherein the microwell is less than 100 micrometers in width and depth.

12. (Original) The method of claim 11, wherein the microwell is less than 50 micrometers in width and depth.

13. (Original) The method of claim 1, wherein the protrusion comprises a microprotrusion.

14. (Original) The method of claim 13, wherein the microprotrusion is less than 1 millimeter in width and height.

15. (Original) The method of claim 14, wherein the microprotrusion is less than 100 micrometers in width and height.

16. (Original) The method of claim 15, wherein the microprotrusion is less than 50 micrometers in width and height.

17. (Original) The method of claim 1, wherein the substrate comprises a flexible material.

18. (Original) The method of claim 1, wherein the substrate comprises a polymer.

19. (Original) The method of claim 18, wherein the substrate comprises polydimethylsiloxane.

20. (Previously Presented) The method of claim 1, wherein the substrate comprises a plurality of recesses.

21. (Previously Presented) The method of claim 22, wherein the protrusion comprises a portion of the substrate between the recesses.

22. (Previously Presented) The method of claim 1, wherein the substrate comprises a plurality of protrusions.

23. (Previously Presented) The method of claim 20, wherein the recess comprises a portion of the substrate between the protrusions.

24. (Original) The method of claim 1, wherein the first fluid has an advancing angle of greater than about 90°.

25. (Previously Presented) The method of claim 3, wherein at least one of the second fluid and the third fluid has an advancing angle of less than about 90°.

26. (Original) A method, comprising:

selectively depositing a protein on an outward-facing portion of a protrusion of a contoured surface including a protrusion and a recess, at least on of the protrusion and recess having a maximum lateral dimension of no more than about 1 mm, while leaving the recess free of the protein.

27. (Original) A method of selectively depositing a material on a substrate having a contoured surface including a protrusion and a recess, the method comprising:

applying a fluid to the contoured surface without urging the fluid against the surface mechanically, and allowing the fluid to contact the protrusion and not the recess; and

allowing a first material to be deposited from the fluid onto the protrusion but not the recess.

28-39. (Withdrawn)